

IAP15 Rec'd PCT/PTO 06 APR 2006

IN THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US)

In re: Application of BURNE et al.
International Application: PCT/US2004/033214
International Filing Date: 7 October 2004
For: RECOMBINANT ALKALINIZING BACTERIA

INFORMATION DISCLOSURE STATEMENT

Mail Stop PCT
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313

Dear Sir:

In accordance with the duty of disclosure under 37 C.F.R. §1.56, Applicants hereby notify the U.S. Patent Office of the documents which are listed on the attached Form PTO/SB/08B.


Submission of the listed documents is not intended as an admission that such documents constitute prior art against the present application. Applicants do not waive any right to take any action that would be appropriate to antedate or otherwise remove any of the listed documents as competent references against the present application. Applicants submit that the present invention is patentable over the cited references.

Although no fee is believed to be due, the Commissioner is hereby authorized to charge any underpayment to Deposit Account No. 50-0951.

Respectfully submitted,

AKERMAN SENTERFITT

Date: April 6, 2006



Nicholas A. Zachariades
Registration No. 56,712
P.O. Box 3188
West Palm Beach, FL 33402-3188
Tel: 561-653-5000
Fax: 561-659-6313

Docket No.: 5853-454-1

IAP15 Rec'd PCT/PTO 06 APR 2006

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Sheet	1	of	2
-------	---	----	---

Complete if Known

Application Number	Not Yet Assigned
Filing Date	Herewith
First Named Inventor	BURNE
Art Unit	Not Yet Assigned
Examiner Name	Not Yet Assigned
Attorney Docket Number	5853-454-1

U. S. PATENT DOCUMENTS

[illegible]

FOREIGN PATENT DOCUMENTS

[illegible]

Examiner Signature		Date Considered	
-----------------------	--	--------------------	--

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹Applicant's unique citation designation number (optional). ²See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /L.T./

IAP15 Rec'd PCT/PTO 06 APR 2006

PTO/SB/08B (07-05)

Approved for use through 07/31/2006. OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)		Complete if Known	
		Application Number	Not Yet Assigned
		Filing Date	Herewith
		First Named Inventor	BURNE
		Art Unit	Not Yet Assigned
		Examiner Name	Not Yet Assigned
Sheet 2	of 2	Attorney Docket Number	5853-454-1

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
		Griswold, A. et al. "Analysis of an Arginine Deiminase Gene Cluster in Streptococcus mutans UA159", 2004, Journal of Bacteriology, 186(6):1902-1904	
		Kuramitsu, H.K. "Molecular Genetic Analysis of the Virulence of Oral Bacterial Pathogens: An Historical Perspective", 2003, Crit. Rev. Oral Biol. Med., 14(5):331-344	
		Dong, Y. et al. "Isolation and Molecular Analysis of the Gene Cluster for the Arginine Deiminase System from Streptococcus gordonii DL1", 2002, Applied and Environmental Microbiology, 68(11):5549-5553	
		Ajdic, D. et al. "Genome sequence of Streptococcus mutans UA159, a cariogenic dental pathogen", 2002, PNAS, 99(22):14434-14439	
		Morou-Bermudez, E. et al. "Analysis of Urease Expression in Actinomyces naeslundii WVU45", 2000, Infection and Immunity, 68(12):6670-6676	
		Griswold, A. et al. "Characterization of the Arginine Deiminase Operon of Streptococcus rattus FA-1", 2003, Applied and Environmental Microbiology, 70(3):1321-1327	
		Clancy, K. et al. "Characterization of Recombinant, Ureolytic Streptococcus mutans Demonstrates an Inverse Relationship between Dental Plaque Ureolytic Capacity and Cariogenicity", 2000, Infection and Immunity, 68(5):2621-2629	
		Clancy, A. et al. "Construction and characterization of a recombinant ureolytic Streptococcus mutans and its use to demonstrate the relationship of urease activity to pH modulating capacity", 1997, FEMS Microbiology Letters, Vol. 151, pgs. 205-211	
		Burne, R.A., et al. "Alkali production by oral bacteria and protection against dental caries", FEMS Microbiology Letters, Vol. 93, pgs 1-6 Vol 193	
		Chen, Y.M. et al. "Streptococcus salivarius Urease: Genetic and Biochemical Characterization and Expression in a Dental Plaque Streptococcus", 1996, Infection and Immunity, 64(2):585-592	

Examiner Signature	/Lakia Tongu
--------------------	--------------

*EXAMINER: Initial if reference considered considered. Include copy of this form with r
¹ Applicant's unique citation designation nu
 This collection of information is required by
 to process) an application. Confidentiality is
 gathering, preparing, and submitting the co
 amount of time you require to complete thi
 Trademark Office, P.O. Box 1450, Alexand
 Commissioner for Patents, P.O. Bo

Date Considered	05/21/2009
-----------------	------------

formance with MPEP 609. Draw line through citation if not in conformance and not

place a check mark here if English language Translation is attached.
 required to obtain or retain a benefit by the public which is to file (and by the USPTO
 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including
 USPTO. Time will vary depending upon the individual case. Any comments on the
 using this burden, should be sent to the Chief Information Officer, U.S. Patent and
 ND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO:
 1-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /L.T./